

GROUNDWATER INDEX

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County ROSEBUD Twp. 5 SOUTH Rge. 42 EAST

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|---------------|-----------------------|-----------------|-------------------|---|
| 7 | Moreland, John W. Jr. | GW-3 | 201553 | |
| 16 | MORELAND, JOHN W. JR | GW-2 | 176910 | |
| 18 | " " | GW-2 | 182348 | |
| 19 | " " " | GW-4 | 176919 | |
| 20 | " " " | GW-4 | 176917 | |
| 20 | " " 17 | GW-4 | 176918 | |
| 21 | " " " | GW-2 | 176909 | |
| 22 | BREWSTER, LYMAN | GW-4 | 179312 | |
| 25 | HAYES, ARTHUR F | GW-2 | 182441 | |
| 25 | COGAN, JOHN T | GW-4 | 180115 | |
| 26 | BROWN, PATRICK CO | GW-3 | 180117 | |
| 28 | MORELAND, JOHN W. JR | GW-4 | 176920 | |
| 27 | " " " " | GW-3 | 201555 | two different land descriptions for same spring |

File No. SW

DUPLICATE

T. 55 R. 42 E
County Richmond

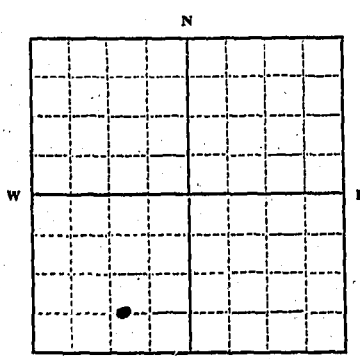
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 21 1962

STATE ENGINEER
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1959
Owner John W. Moreland, Jr. Address Birney, Mont.
Contractor (if any) _____
Address of Contractor _____
Date Started Undeveloped Spring Date Completed _____



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural Spring

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

SE 1/4 SW Sec. 7 T. 45 S. R. 42 E
Indicate point of appropriation and place of use, if possible.

estimate approximate lengths of periods of use. Approx. 3
gal. per min. (eye measure)

Big Horn Co.
probably
using

Used 7-8 mo. out of year

Signature of Owner John W. Moreland Jr.
Date 12-19-62

has filed on 2 springs
in SE 1/4 E, Richland Co.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triuplicate to the Montana Bureau of Mines and Geology and Quaduplicate for the Appropriator.

has 4 GW-4573 GW-28
in SE 42E

201555

County of Big Horn } ss.
The within instrument was filed
in my office at Hardin, Montana, this
DEC 19 1962 day of

A.D. 19
at 2:15 o'clock P.M.

Harvey E. Cash
County Recorder

By *Ruby W. Temple* Deputy

GW2

File No. _____

DUPLICATE

T. 55 R. 42 E

County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

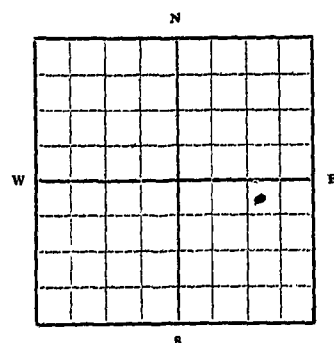
**Notice of Completion of Groundwater
Appropriation by Means of Well** ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner John W. Moreland, Jr. Address Birney, Mont.Driller Frank Bandy, Jr. Address Broadus, Mont.Date of Notice of Appropriation of Groundwater 4-26-62Date well started 4-26-62 Date Completed 4-26-62Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|-------------------------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 4" | 4" standard | 1" | 71" | 5 staggered slots 1/2" x 1/4" | 41" | 71" |



N.E. 1/4 Sec. 16, T. 55, R. 42 E

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 30 feet.Shut-in Pressure for Flowing Well Not applicablePumping Water Level 30 feet at 15 gal. per minute.Discharge in gal. per min. of flowing well Not applicableHow Tested bailed & Pumped Length of Test 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation) _____

Not applicable

Driller's License Number _____

Driller's Signature Frank Bandy, Jr.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

2765

176910

STATE OF MONTANA,) ss.
COUNTY OF ROSEBUD)

Filed on the 22nd day of Dec.

1962, at 2:00 o'clock P. M.

Howard J. Lee
County Clerk & Recorder

by *Betty M. Fournier*
H. J. Lee

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—40472

File No. _____

T. 5 S. R. 42 18

DUPLICATE

County Lea

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
NOV 4 1964

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner John Mereland Address Butte, Mont.Driller Robert Zolbers Address Butte, Mont.

Date of Notice of Appropriation of Groundwater _____

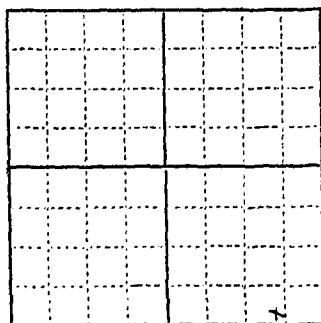
Date well started 5/22/64 Date Completed 6/2/64

Type of well Drilled Equipment Used Churn
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|-----------------------------------|-------------|-----------|------------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 7" | 6 1/2" I.D. 13" Steel (new) | 0 | 81 | vertical slit | 65 | 80 |



SE 1/4 Sec 16 T. 5 S. R. 42
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

81'

Static Water Level for non-flowing Well 50 feet.Shut-in Pressure for Flowing Well Not ApplicablePumping Water Level 65 feet at 50 gal. per minute.Discharge in gal. per min. of flowing well Not ApplicableHow Tested Bailed Length of Test 2 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) _____

Not ApplicableDriller's License Number 104

Robert Zolbers
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

38625

182348

STATE OF MONTANA, }
COUNTY OF ROSEBUD } SS.

Filed on the 24th day of Nov.

1904 8:00 o'clock A.M.

Howard H.
County Clerk & Recorder

By D. H. M. McIntire
Attorney

File No.

DUPLICATE

T. 55 R 42 E

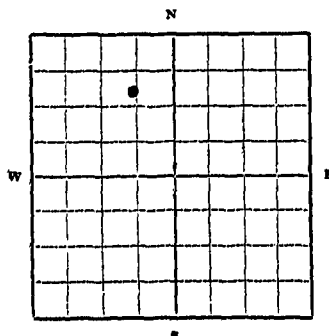
County. Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER

1. John W. Moreland Jr. of Birney
(Name of Appropriator) (Address) (Town)
County of Rosebud State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NW Sec. 19 T. 55 R. 42 E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1951 - Every year 3 mo. in Fall & 3 mo. in Spring

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gal. per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Wind Mill in Upper Pasture Range

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 9-1951 Wind Mill Erected immediately

8. The depth of water table 50'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater pumping well by wind mill - 4" casing - Depth 100'

10. The estimated amount of groundwater withdrawn each year 16,200 gal. approx.

11. The log of formations encountered in the drilling of each well if available 10' top soil - 10-19' Shale; 19-23' gravel; 23-31' sand stone; 31-41' gravel (big); 41-53' Fine gravel; 53-62' coal; 62-86' Blue shale; 86-100' Sandstone.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner John W. Moreland Jr.

Date 12-17-62

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

176919

COUNTY OF MONTANA, } 38.
COUNTY OF FORT BEND }

Filed on the 12th day of Dec.

1962 at 9:00 o'clock P.M.

James L. L.
County Clerk & Recorder

By William M. Williams
Clerk

File No. _____

DUPLICATE

T. 55 R. 42 E

County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

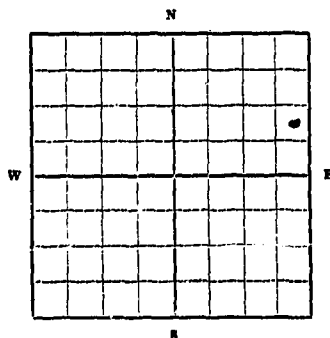
RECEIVED

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John W. Moreland Jr. of BIRDEN (Name of Appropriator) (Address) (Town)
County of Rosebud State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE Sec 20, T 55 R 42 E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based FOR HOUSE,
SLACK, IRRIGATING GARDEN & LAWN - TREES.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 5-8-48 FROM THIS
DATE THEN ON - USED EVERY DAY
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gal. per min.
5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof 5 A. GARDEN, LAWN & WIND BREAK.
John W. Moreland Jr.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal FIRST
by wind mill & engine & pump jack.
Now by submersible pump near house,
at corner of Barn lot, Edge of Garden.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 5-5-48 COMMENCEMENT - 5-8-48 COMPLETION
including wind mill, pump jack & engine
8. The depth of water table 78'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater pump jack well; 4" hole - 8'
By 4" casing - depth of well 110' - 14'
horse power submersible electric pump.
10. The estimated amount of groundwater withdrawn each year 1,944,000 gal.
11. The log of formations encountered in the drilling of each well if available 0'-15' SURFACE
15'-43' GRAVEL; 43'-48' CLAY; 48'-52' GREY SHALE; 52'-55' LIME STONE;
55'-64' GREY SHALE; 64'-70' COAL; 70'-104' SANDY SHALE; 104'-108' COAL;
108'-110' GREY SHALE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Nat. applicable

Signature of Owner John W. Moreland Jr.Date 12-17-62

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

176917

STATE OF MONTANA, ss.
COUNTY OF ROBERTS)

Filed on the 17th day of Dec
1943 at 7:00 o'clock P. M.

By Settling Officer
62.00

File No.

DUPLICATE

T. 55 R. 42

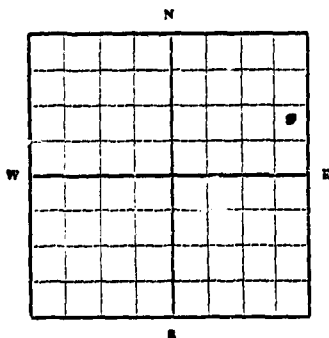
County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John W. Moreland Jr. of Birney
 (Name of Appropriator) (Address) (Town)
 County of Rosebud State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE Sec. 20 T. 55 R. 42

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based House hold

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 9-3-59 held every day since 9-3-59

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gal. per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Submersible Electric Pump. Above SE 1/4 NE 1/4 Sec. 20 T. 55 R. 42 Rt. House

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 8-20-59 to 9-3-59 Drilling - pump installed 10-15-59

8. The depth of water table 343'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5046" ; 2856" ; 6172.5" ; 1056"
Started put with 6" Bit - Dropped down to 1" - Pumping well - 443' Depth of well

10. The estimated amount of groundwater withdrawn each year Serves 2 Families with Automobiles & Baths

11. The log of formations encountered in the drilling of each well if available 0-10' clay; 10-42' red shale; 42-47' coal; 47-50' gravel & sand; 50-60' blue clay; 60-65' rock; 65-87' shale; 87-90' coal; 90-134' shale with coal streaks; 134-135' rock; 135-136' shale; 136-138' rock; 138-139' shale; 139-140' coal; 140-212' shale; 212-235' coal & shale mixed; 235-237' rock; 237-243' shale; 243-248' shale; 248-250' coal & shale mixed; 250-251' rock; 251-252' shale; 252-253' shale; 253-254' shale; 254-255' shale; 255-256' shale; 256-257' shale; 257-258' shale; 258-259' shale; 259-260' shale; 260-261' shale; 261-262' shale; 262-263' shale; 263-264' shale; 264-265' shale; 265-266' shale; 266-267' shale; 267-268' shale; 268-269' shale; 269-270' shale; 270-271' shale; 271-272' shale; 272-273' shale; 273-274' shale; 274-275' shale; 275-276' shale; 276-277' shale; 277-278' shale; 278-279' shale; 279-280' shale; 280-281' shale; 281-282' shale; 282-283' shale; 283-284' shale; 284-285' shale; 285-286' shale; 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412-413' shale; 413-414' shale; 414-415' shale; 415-416' shale; 416-417' shale; 417-418' shale; 418-419' shale; 419-420' shale; 420-421' shale; 421-422' shale; 422-423' shale; 423-424' shale; 424-425' shale; 425-426' shale; 426-427' shale; 427-428' shale; 428-429' shale; 429-430' shale; 430-431' shale; 431-432' shale; 432-433' shale; 433-434' shale; 434-435' shale; 435-436' shale; 436-437' shale; 437-438' shale; 438-439' shale; 439-440' shale; 440-441' shale; 441-442' shale; 442-443' shale; 443-444' shale; 444-445' shale; 445-446' shale; 446-447' shale; 447-448' shale; 448-449' shale; 449-450' shale; 450-451' shale; 451-452' shale; 452-453' shale; 453-454' shale; 454-455' shale; 455-456' shale; 456-457' shale; 457-458' shale; 458-459' shale; 459-460' shale; 460-461' shale; 461-462' shale; 462-463' shale; 463-464' shale; 464-465' shale; 465-466' shale; 466-467' shale; 467-468' shale; 468-469' shale; 469-470' shale; 470-471' shale; 471-472' shale; 472-473' shale; 473-474' shale; 474-475' shale; 475-476' shale; 476-477' shale; 477-478' shale; 478-479' shale; 479-480' shale; 480-481' shale; 481-482' shale; 482-483' shale; 483-484' shale; 484-485' shale; 485-486' shale; 486-487' shale; 487-488' shale; 488-489' shale; 489-490' shale; 490-491' shale; 491-492' shale; 492-493' shale; 493-494' shale; 494-495' shale; 495-496' shale; 496-497' shale; 497-498' shale; 498-499' shale; 499-500' shale; 500-501' shale; 501-502' shale; 502-503' shale; 503-504' shale; 504-505' shale; 505-506' shale; 506-507' shale; 507-508' shale; 508-509' shale; 509-510' shale; 510-511' shale; 511-512' shale; 512-513' shale; 513-514' shale; 514-515' shale; 515-516' shale; 516-517' shale; 517-518' shale; 518-519' shale; 519-520' shale; 520-521' shale; 521-522' shale; 522-523' shale; 523-524' shale; 524-525' shale; 525-526' shale; 526-527' shale; 527-528' shale; 528-529' shale; 529-530' shale; 530-531' shale; 531-532' shale; 532-533' shale; 533-534' shale; 534-535' shale; 535-536' shale; 536-537' shale; 537-538' shale; 538-539' shale; 539-540' shale; 540-541' shale; 541-542' shale; 542-543' shale; 543-544' shale; 544-545' shale; 545-546' shale; 546-547' shale; 547-548' shale; 548-549' shale; 549-550' shale; 550-551' shale; 551-552' shale; 552-553' shale; 553-554' shale; 554-555' shale; 555-556' shale; 556-557' shale; 557-558' shale; 558-559' shale; 559-560' shale; 560-561' shale; 561-562' shale; 562-563' shale; 563-564' shale; 564-565' shale; 565-566' shale; 566-567' shale; 567-568' shale; 568-569' shale; 569-570' shale; 570-571' shale; 571-572' shale; 572-573' shale; 573-574' shale; 574-575' shale; 575-576' shale; 576-577' shale; 577-578' shale; 578-579' shale; 579-580' shale; 580-581' shale; 581-582' shale; 582-583' shale; 583-584' shale; 584-585' shale; 585-586' shale; 586-587' shale; 587-588' shale; 588-589' shale; 589-590' shale; 590-591' shale; 591-592' shale; 592-593' shale; 593-594' shale; 594-595' shale; 595-596' shale; 596-597' shale; 597-598' shale; 598-599' shale; 599-600' shale; 600-601' shale; 601-602' shale; 602-603' shale; 603-604' shale; 604-605' shale; 605-606' shale; 606-607' shale; 607-608' shale; 608-609' shale; 609-610' shale; 610-611' shale; 611-612' shale; 612-613' shale; 613-614' shale; 614-615' shale; 615-616' shale; 616-617' shale; 617-618' shale; 618-619' shale; 619-620' shale; 620-621' shale; 621-622' shale; 622-623' shale; 623-624' shale; 624-625' shale; 625-626' shale; 626-627' shale; 627-628' shale; 628-629' shale; 629-630' shale; 630-631' shale; 631-632' shale; 632-633' shale; 633-634' shale; 634-635' shale; 635-636' shale; 636-637' shale; 637-638' shale; 638-639' shale; 639-640' shale; 640-641' shale; 641-642' shale; 642-643' shale; 643-644' shale; 644-645' shale; 645-646' shale; 646-647' shale; 647-648' shale; 648-649' shale; 649-650' shale; 650-651' shale; 651-652' shale; 652-653' shale; 653-654' shale; 654-655' shale; 655-656' shale; 656-657' shale; 657-658' shale; 658-659' shale; 659-660' shale; 660-661' shale; 661-662' shale; 662-663' shale; 663-664' shale; 664-665' shale; 665-666' shale; 666-667' shale; 667-668' shale; 668-669' shale; 669-670' shale; 670-671' shale; 671-672' shale; 672-673' shale; 673-674' shale; 674-675' shale; 675-676' shale; 676-677' shale; 677-678' shale; 678-679' shale; 679-680' shale; 680-681' shale; 681-682' shale; 682-683' shale; 683-684' shale; 684-685' shale; 685-686' shale; 686-687' shale; 687-688' shale; 688-689' shale; 689-690' shale; 690-691' shale; 691-692' shale; 692-693' shale; 693-694' shale; 694-695' shale; 695-696' shale; 696-697' shale; 697-698' shale; 698-699' shale; 699-700' shale; 700-701' shale; 701-702' shale; 702-703' shale; 703-704' shale; 704-705' shale; 705-706' shale; 706-707' shale; 707-708' shale; 708-709' shale; 709-710' shale; 710-711' shale; 711-712' shale; 712-713' shale; 713-714' shale; 714-715' shale; 715-716' shale; 716-717' shale; 717-718' shale; 718-719' shale; 719-720' shale; 720-721' shale; 721-722' shale; 722-723' shale; 723-724' shale; 724-725' shale; 725-726' shale; 726-727' shale; 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1149-1150' shale; 1150-1151' shale; 1151-1152' shale; 1152-1153' shale; 1153-1154' shale; 1154-1155' shale; 1155-1156' shale; 1156-1157' shale; 1157-1158' shale; 1158-1159' shale; 1159-1160' shale; 1160-1161' shale; 1161-1162' shale; 1162-1163' shale; 1163-1164' shale; 1164-1165' shale; 1165-1166' shale; 1166-1167' shale; 1167-1168' shale; 1168-1169' shale; 1169-1170' shale; 1170-1171' shale; 1171-1172' shale; 1172-1173' shale; 1173-1174' shale; 1174-1175' shale; 1175-1176' shale; 1176-1177' shale; 1177-1178' shale; 1178-1179' shale; 1179-1180' shale; 1180-1181' shale; 1181-1182' shale; 1182-1183' shale; 1183-1184' shale; 1184-1185' shale; 1185

176918

STATE OF MONTANA } SS.
COUNTY OF ROSEBUD }

and on the 17th day of Dec.
1962 at 2:00 o'clock P.

Shirley L. L.
County Clerk & Recorder

by William M. Johnson
Deputy

25 JAN 20 1963

RECEIVED
JAN 20 1963
COUNTY CLERK & RECORDER
ROSEBUD, MONTANA

GW 2

File No.

DUPLICATE

T 55 R 42ECounty Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

DEC 19 1962

Notice of Completion of Groundwater
Appropriation by Means of SWELL ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

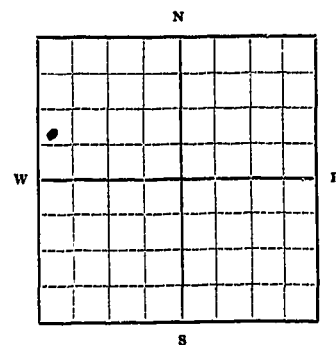
Owner John W. Moreland, Jr. Address Burney, Mont.Driller Bill Jaritz Address Miles City, Mont.Date of Notice of Appropriation of Groundwater 7-17-62Date well started 6-10-62 Date Completed 7-17-62

Type of well Dug Equipment Used Dragline - Reverse
(dug, driven, bored or (Churn, drill, rotary or Circulation
drilled) other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 17" | 12" Standard | 1' | 70' | 1/8" | 30' | 65' |



S.W. 1/4, NW 1/4, Sec. 21, T. 55, R. 42E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 32 feet.Shut-in Pressure for Flowing Well Not applyPumping Water Level 60 feet at 700 gal. per minute.Discharge in gal. per min. of flowing well Not applyHow Tested Western Low Rate Length of Test 24 hrs.
Test pump 1150 RPM

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation) GRAVELpacked 70' with 10 yds. # 14 # 2GRAVEL - ACRES UNDER IRRIGATIONDriller's License Number 102Driller's Signature Bill Jaritz

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

2764

176909

STATE OF MONTANA, ss.
COUNTY OF ROSEBUD

Filed on the 12th day of Dec.

1962 at 3:00 o'clock P. M.

Howard L. Laid
County Clerk & Recorder

by *Petty J. M. Patton*
#300

GW.

Approved Stock Form—State Publishing Co., Helena, Montana—41338

File No. _____

T. 55 R. 42E

DUPLICATE

County Rock

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

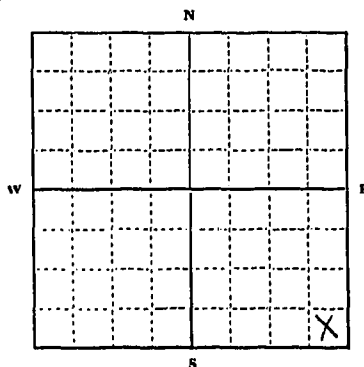
RECEIVED
DEC 9 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Lamar Brown, of Burney
(Name of Appropriator) (Address) (Town)
County of Rock State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 22 T15 R42E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based
stock water

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been
5/21/48

4. The amount of groundwater claimed (in miner's inches or gallons
per minute)
5 gals per min

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner there
not used for irrigation

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal
artesian

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater
completed 5/21/48

8. The depth of water table
771'

9. So far as it may be available, the type, size and depth of each well or the genera' specifications of any other
works for the withdrawal of groundwater
Sign. Sinking 6" and Sinking 7"
2" " " 828'

10. The estimated amount of groundwater withdrawn each year
not known

11. The log of formations encountered in the drilling of each well if available
5' sand 71' loam

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county recorded
copy of 22nd 27th 47th 153rd survey plat 1821-1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 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179312

STATE OF MONTANA, } ss.
COUNTY OF ROSEBUD }

Filed on the 5th day of December

1962 at 11:27 o'clock A.M.

Howard Fair
County Clerk of Rosebud

By _____

File No.

T. 55 R. 42 E. 25

DUPLICATE

County RosebudSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

NOV 18 1964

Notice of Completion of Groundwater
Appropriation by Means of STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

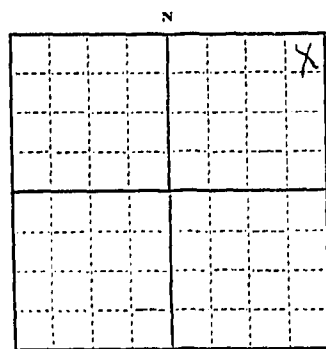
Owner Arthur J. Hayes Address Bismarck, Mont.
Driller Elbert J. Jekel Address Las Vegas, Mont.

Date of Notice of Appropriation of Groundwater

Date well started 5/22/64 Date Completed 5/26/64Type of well Drilled Equipment Used Churn
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 1" | 6 1/2" I.D. 13 1/2" | 0 | 73 | vertical | 30 | 40 |
| | | | | Slotted | 55 | 73 |

1/4 Sec. 25 T. 55 R. 42 E.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

73'

Static Water Level for non-flowing Well 15 feet.Shut-in Pressure for Flowing Well Not ApplicablePumping Water Level 50 feet at 40 gal. per minute.Discharge in gal. per min. of flowing well Not ApplicableHow Tested Bailed Length of Test 2 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation)

Not ApplicableDriller's License Number 104Driller's Signature Elbert J. Jekel

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

38668

182441

STATE OF MONTANA, }
COUNTY OF ROSEBUD } Ss:

Filed on the 17th day of Nov

1964 J. C. O'Clock A. M.

James L. Lail
County Clerk & Recorder

Patterson L. Latham
722
Attorney

File No. _____

DUPLICATE

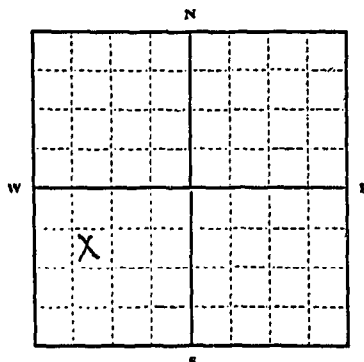
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 55 R. 42
County of Blaine
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John G. Lauer, of Blaine,
(Name of Appropriator) (Address) (Town)
County of Blaine State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:
blaine



..... 1/4 Sec. 25 T55 R. 42E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.....
household purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1896

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
3 gal per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
not used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
not known

8. The depth of water table.....
not known

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
not known 1 1/4" pipe

10. The estimated amount of groundwater withdrawn each year.....
not used since at present

11. The log of formations encountered in the drilling of each well if available.....
not known

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....
none

John G. Lauer

Signature of Owner John G. Lauer

Date 11/17/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21339

180115

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC
31, 1963, AT 5:45 PM, CO. CLERK.

Harold Lait
Prof. Ellen Clark, Rep

55-42 ✓ -26

File No.

DUPLICATE

RECEIVED
JAN 8 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater About 1890

Owner The Brown Cattle Co Address Bining mont

Contractor (if any) not known

Address of Contractor "

Date Started " Date Completed not known

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

clean cut spring
surface water

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

used as stock water
also irrigation at times

Signature of Owner The Brown Cattle Co -

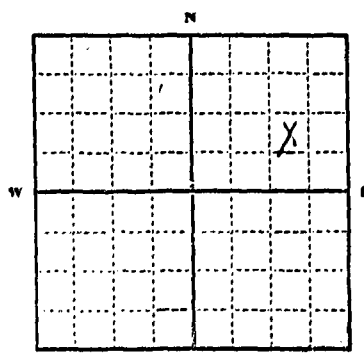
By John T. Brown Date 1/4/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



1/4 Sec 26 T.5.S R. 42 E
Indicate point of appropriation and place of use, if possible.

160117

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC
31, 1963, AT 5:00 P.M., CO. CLERK

Harold Smith
Deputy County Clerk, Rosebud Co.

File No.

DUPLICATE

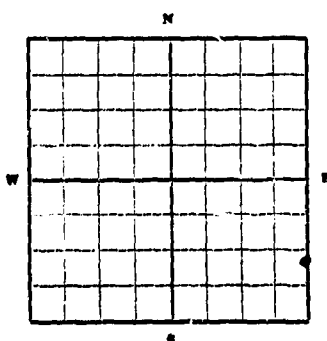
T. 55 R. 42

County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. John W. Moreland Jr., of Birney
(Name of Appropriator) (Address) (Town)
County of Rosebud State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. 1/4 Sec. 26, T. 55, R. 42

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Stock water well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 10-2-52 summer
every winter + spring since completion
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gal. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Wind
mill water well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 9-24-52 10-2-52 Drilling - Mill
Tank immediately after.
8. The depth of water table 265'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Pumping well - 4 inch casing
365' Depth of well. 2" drop pipe - 6" working barrel. 5000
gal. Tank.
10. The estimated amount of groundwater withdrawn each year 1,036,800
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not applicable

Signature of Owner

John W. Moreland Jr.
Date 12-17-62

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

176920

STATE OF MONTANA, }
COUNTY OF ROBERTS } ss.

Filed on the 17th day of Dec.

1962 at 2:00 o'clock P. M.

Howard Tait
County Clerk & Recorder

By Betty M. Fortner
\$3.00 Deputy

GROUNDWATER INDEX

Page 1 of 1

County ROSEBURG Twp. 5 SOUTH Rge. 43 EAST

[illegible]

GW-1

File No.

DUPLICATE

T. 5S R. 43E 12

County Rosebud

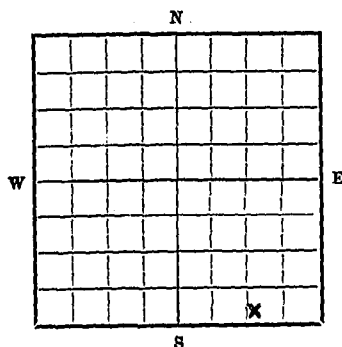
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Forest Service USDA, of Fort. Howes Ranger Station, Ashland
(Name of Appropriator) (Address) (Town)
County of Rosebud State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 12 T. 5S R. 43E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Used during the normal grazing period May 1 to November 30 since the 1930's.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 quarts per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Spring water collection box piped to stockwater tank.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approximately 1937 based on best knowledge available.
8. The depth of water table Surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Spring water collection box piped to stockwater tank
10. The estimated amount of groundwater withdrawn each year 390,000 gallons
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Forest Service USDA

Signature of Ownerby Charles F. Neal

District Ranger

Date 12/14/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

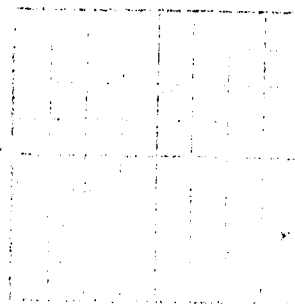
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

30315

179593

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC.
19, 1963 AT 11-AM, CO. CLERK
2¹² Howard Smith



STATE OF MONTANA
COUNTY OF ROSEBUD
FILED DEC 19 1963
AT 11-AM
CO. CLERK
HOWARD SMITH

27

File No.

T. 5S R. 43E

DUPLICATE

County. Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

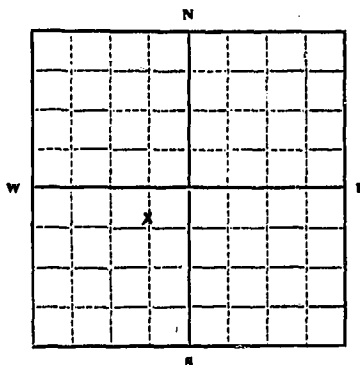
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

JAN 10 1964

STATE ENGINEER

1. Forest Service USDA, of Fort Hovea Ranger Station, Ashland
(Name of Appropriator) (Address) (Town)
County of Rosebud State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 27 T. 5S R. 43E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.....
Livestock water

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been.....
Used during the normal grazing period May 1 to
November 30 since the 1930's.

4. The amount of groundwater claimed (in miner's inches or gallons
per minute)..... 1 1/2 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.....
Spring water collection box piped to stockwater tank.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater..... Approximately 1937 based on best knowledge available.

8. The depth of water table..... Surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater.....
Spring water collection box piped to stockwater tank.

10. The estimated amount of groundwater withdrawn each year..... 788,000 gallons

11. The log of formations encountered in the drilling of each well if available.....

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record.....

Forest Service USDA

Signature of Owner by Shashu Thiel
Acting District Ranger
Date 12/14/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

30327

179605

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC.
19, 1963 AT 11-AM, CO. CLERK

2^d

Deward Tait

by: Ellen Clark, Dep.

File No. _____

DUPLICATE

T 54 R 41 E

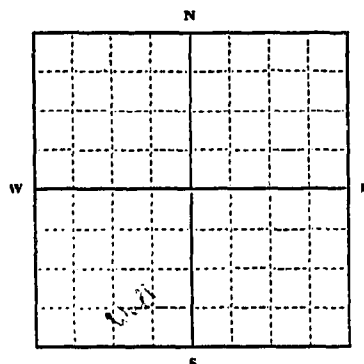
County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Warren Brewster, of Burney
(Name of Appropriator) (Address) (Town)
County of Rosebud State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 31 T. 54 R. 41 E.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Domestic + Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930-1963
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 gal. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1930
8. The depth of water table 16'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well if available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Warren Brewster
Date Dec 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

34802

180565

STATE OF MONTANA, ss.
COUNTY OF ROSEBUD

Filed for the 3d day of Feb.
1964 at 8:00 o'clock P.M.
Howard J. Lutz
County Clerk & Recorder
Ellen Clark
Treasurer

T 55 R 43 E

County Rock

RECEIVED
DEC 9 1962

DEC 9 1963

STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

2. The beneficial use on which the claim is based.
Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
1/24/47
4. The amount of groundwater claimed (in miner's inches or gallons per minute).
Flowing 4 gals per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
Flowing artesian well

8. The depth of water table..... 4.1' -

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....

8" 1 2" 4 6 9

10. The estimated amount of groundwater withdrawn each year.....*not known*.....

7671. The log of formations encountered in the drilling of each well if available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

4 years 45 hrs. case. none - 16 hrs.

سنة ١٣٢٩ هـ

Signature of Owner J. L. ...

Date 1/15/73

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2153

179311

STATE OF MONTANA,)
COUNTY OF ROSEBUD) ss.

Filed on the 5th day of December

1942 at 11:27 o'clock AM

Harold Felt
County Clerk & Recorder

By _____
Deputy

Page 1 of 1

County

Розе Вир

Twp. 5 SOUTH

Rge. 44 EAST

[illegible]

File No. _____

T SS R 44E

DUPLICATE

SPRINGSCounty Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

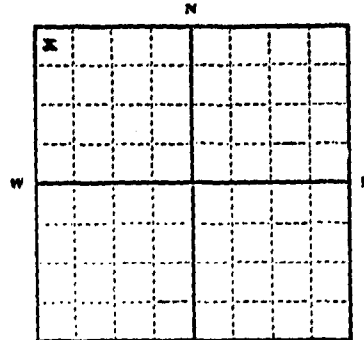
Notice of Completion of Groundwater Appropriation **WITHOUT WELL**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1938Owner U.S.A. - Custer N.F. Address Ashland, MontanaContractor (if any) NAAddress of Contractor NADate Started 1938 Date Completed 1938

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring

Good Spring

Lot 4N. 1/4 Sec. 1 T. 53 R. 44E

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use _____

0.50 gals./min. flow measurement. Used annuallyMay 1 to Dec. 1

United States of America - Custer National Forest

Signature of Owner Charles F. FisherBy: Notary PublicDate 12/10/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

30265

179543

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC.
19, 1963 AT 11-AM, CO. CLERK

2⁰⁰ Howard J. J. J.

File No.

T. SS R. 14E

DUPLICATE

SPRINGSCounty Rosebud

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

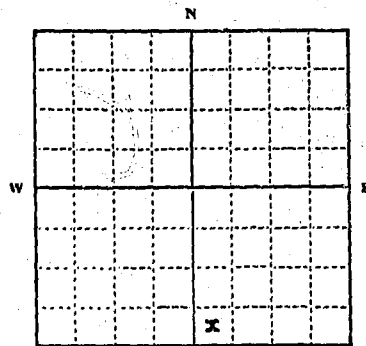
STATE ENGINEER

**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1938Owner U.S.A. - Custer N.F. Address Ashland, MontanaContractor (if any) NAAddress of Contractor NADate Started 1938 Date Completed 1938Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring

King Cr. #1 Spring

SW 1/4 SE 1 Sec. 1 T. SS R. 14E

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

0.10 gals./min. flow measurement. Used annuallyMay 1 to Dec. 1

United States of America - Custer National Forest

Signature of Owner Charles J. West

By: Acting District Ranger

Date 12/16/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

179549

STATE OF MONTANA, COUNTY
OF ROSEBUD SS- FILED DEC.
19, 1963 AT 11-AM, CO. CLERK
2nd Howard J. Jant

File No.....

T SS R LEE

DUPLICATE

SPRINGS

County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

Notice of Completion of Groundwater Appropriation Without Well

STAFF ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater. 1938

Owner U.S.A. - Custer N.F. Address Ashland, Montana

Contractor (if any) NA

Address of Contractor NA

Date Started 1938 Date Completed 1938

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring

Black Canyon Spring

N

59

E

Lot 1

NE 1/4 NE Sec 1 T53 R44E

Indicate point of appropriation
and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

0.50 gals./min. flow measurement. Used annually

May 1 to Dec. 1

United States of America - Custer National Forest

Signature of Owner.....*Charles F. Neal*.....
By: Acting District Ranger

Date..12/14/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

30269

179547

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC.
19, 1963 AT 11-AM, CO. CLERK

2nd Howard Smith

File No.

T. SS R. llE

DUPLICATE

SPRINGSCounty Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

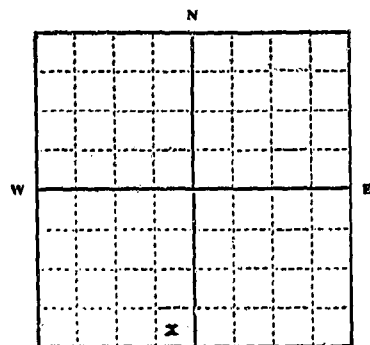
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1938Owner U.S.A. - Custer N.F. Address Ashland, MontanaContractor (if any) NAAddress of Contractor NADate Started 1938 Date Completed 1938

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring

Twin Spring

SE $\frac{1}{4}$ SW Sec 1 T. SS R. llE

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

0.50 gals./min. flow measurement. Used annuallyMay 1 to Dec. 1United States of America Custer National ForestSignature of Owner Charles F. NealBy: Acting District RangerDate 12/19/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

179548

STATE OF MONTANA, COUNTY
OF ROSEBUD SS- FILED DEC.
19, 1963 AT 11-AM, CO. CLERK

2nd Howard J. Jait

File No.

T. SS R. 44E

DUPLICATE

SPRINGS

County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1938

Owner U.S.A. - Custer N.F. Address Ashland, Montana

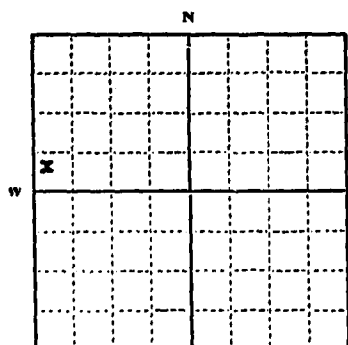
Contractor (if any) NA

Address of Contractor NA

Date Started 1938 Date Completed 1938

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring

Hole in Wall Spring



SW $\frac{1}{4}$ NW Sec. 3 T. SS R. 44E

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

0.50 gals/min. flow measurement. Used annually

May 1 to Dec. 1.

United States of America - Custer National Forest

Signature of Owner Charles F. Neal

By: Acting District Ranger

Date 12/15/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

30267

179545

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC.
19, 1963 AT 11-AM, CO. CLERK

2nd Howard J. J.

File No. _____

T. 55 R. 44E

DUPLICATE

County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

ENGINEER

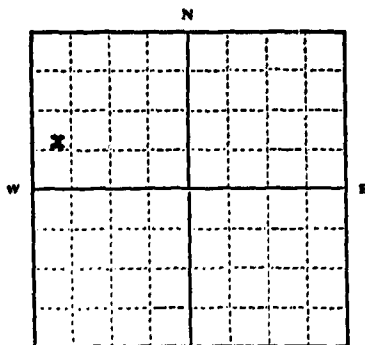
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1938Owner U.S.A. - Custer N.F. Address Ashland, MontanaContractor (if any) NAAddress of Contractor NADate Started 1938 Date Completed 1938

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring

Hole in the Wall Spring

SW $\frac{1}{4}$ NW Sec. 3 T. 55 R. 44E

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

0.50 gal/min. flow measurement. Used annuallyMay 1 to Dec. 1.

United States of America - Custer National Forest

Signature of Owner [Signature]By: Acting District RangerDate 12/10/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

179558

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC.
19, 1963 AT 11-AM, CO. CLERK
2nd Howard J. L.

G

Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No. _____

T. 5S R. 44E

DUPLICATE

County. Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

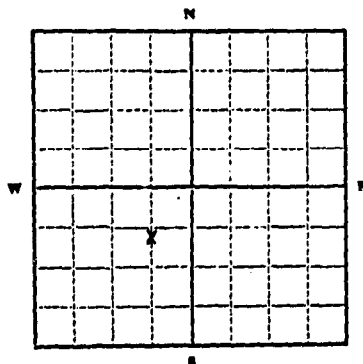
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

JAN 10 1964

STATE ENGINEER

1. Forest Service, USDA, of Fort. Hovea Ranger Station, Ashland
(Name of Appropriator) (Address) (Town)
County of Rosebud State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 5 T. 5S R. 44E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.
Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1961 1957
Used from May 1 to November 30 each year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
Windmill, pump and tank
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1957
8. The depth of water table.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
10. The estimated amount of groundwater withdrawn each year. 105,000 gallons
11. The log of formations encountered in the drilling of each well if available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Forest Service

District Engineer

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

30313

179591

STATE OF MONTANA, COUNTY
OF ROSEBUD SS- FILED DEC.
19, 1963 AT 11-AM CO. CLERK

2nd Howard J. [unclear]

File No.

T 5 S R 44 E

DUPLICATE

County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

Notice of Completion of Groundwater Appropriation
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1962Owner U.S.A. - Custer N.F. Address Ashland, MontanaContractor (if any) NAAddress of Contractor NADate Started 1962 Date Completed 1962

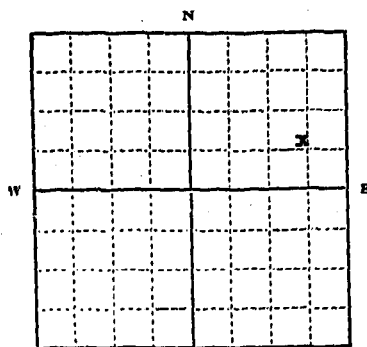
Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Spring

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

0.75 gals/min. flow measurement. Used annuallyMay 1 to Dec. 1United States of America Custer National ForestSignature of Owner [Signature]By: Acting District RangerDate 12/19/63

East Fork O'Dell Spring

SE $\frac{1}{4}$ NE Sec 10 T5S R44EIndicate point of appropriation
and place of use, if possible.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the
works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana
Bureau of Mines and Geology and Quadruplicate for the Appropriator.

30261

179539

STATE OF MONTANA, COUNTY
OF ROSEBUD SS- FILED DEC.
19, 1963 AT 11-AM, CO. CLERK
2nd *Howard Tipton*

File No.

T. 5S R. 44E

DUPLICATE

County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

Notice of Completion of Groundwater Appropriation
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Sept. 1963

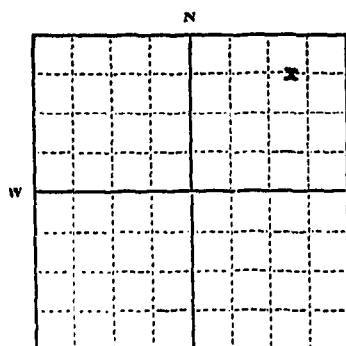
Owner U.S.A. - Custer N.F. Address Ashland, Montana

Contractor (if any) NA

Address of Contractor NA

East Fork O'dell Spring No.2

Date Started Sept. 1963 Date Completed Sept. 1963



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

NE 1/4 NE Sec. 11 T5S R. 44E.

0.70 gal/min. flow measurement. Used annually

Indicate point of appropriation and place of use, if possible.

May 1 to Dec. 1 for livestock watering.

United States of America Custer National Forest
Signature of Owner L. Hunter T. Hunt

By: Acting District Ranger

Date 12/14/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

30279

179557

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC.
19, 1963 AT 11-AM, CO. CLERK
2nd Howard Tait

File No. _____

T 5S R 44E

DUPLICATE

County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

STATE ENGINEER
**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater _____

Owner Forest Service USDA Address Fort Hovey Ranger Station
Asilans, MontanaContractor (if any) None

Address of Contractor _____

Date Started _____ Date Completed Approx. 1937

Improved in 1951
Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Spring water collection box piped
to Stockwater Tank.

*Completion date of 1937 is based on best knowledge

available. Spring water at this location was most

likely used prior to the 1930's.

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. Spring flows

1 quart per minute by measure. Estimate 50 head of

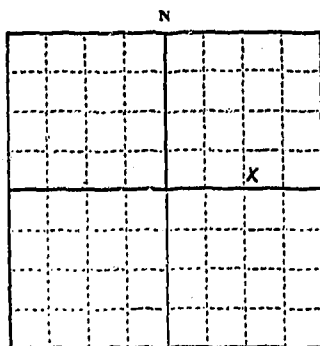
cattle water at spring each day for 7 months per

year requiring 360 500 gallons per day.

Forest Service USDA

Signature of Owner Charles F. Neal

Acting District Ranger

Date 1/10/64

NE 1/4 Sec. 18 T5S R44E

Indicate point of appropriation
and place of use, if possible.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the
works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana
Bureau of Mines and Geology and Quadruplicate for the Appropriator.

179583

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC.
19, 1963 AT 11-AM, CO. CLERK

2nd *Harold Tait*

File No.

T. 5S R. 11E

DUPLICATE

County Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

STATE ENGINEER
**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....
Owner, Forest Service USDA Address Fort Hovey Ranger Station
Ashland, Montana

Contractor (if any) None

Address of Contractor

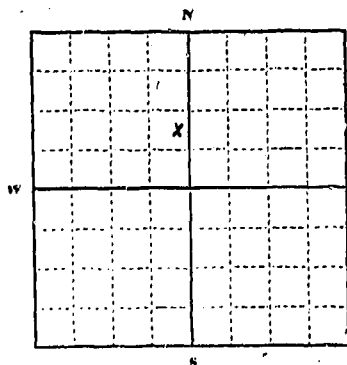
Date Started..... Date Completed 1937 Approx.

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Spring water collection box piped
to Stockwater Tank.

*Completion date of 1937 is based on best knowledge
available. Spring water at this location was most
likely used prior to the 1930's.

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent
estimate approximate lengths of periods of use. Spring flows
1 1/2 gallons per minute by measure. Estimate 50 head of
cattle water at spring each day for 7 months per
year requiring 500 gallons per day.

Signature of Owner..... Forest Service USDA
Arthur F. Neal
Acting District Engineer
Date.....



Indicate point of appropriation
and place of use, if possible.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

179585

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC.
19, 1963 AT 11-AM, CO. CLERK

2nd *Howard J. Smith*

T 58 R 44E

County Rosebud

RECEIVED
JAN 10 1964

(Under Chapter 237 Montana Session Laws, 1961)

Owner U.S.A. - Custer N.F. Address Ashland, Montana

Contractor (if any) NA

Address of Contractor- NA

Date Started 1938 Date Completed 1938

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring

Brian Cr. #1 Spring

N

[illegible]

NE 1/4 NW Sec 24 T5S R44E.

Indicate point of appropriation
and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of the

0.50 gals/min. flow measurement. Used annually

May 1 to Dec. 1

United States of America - Custer National Forest

Signature of Owner E. Parker F. Kent

Date 12/18/83

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

179555

STATE OF MONTANA, COUNTY
OF ROSEBUD SS. FILED DEC.
19, 1963 AT 11-AM, CO. CLERK
2nd Howard J. J.

File No. _____

T SS R WE

DUPLICATE

SPRINGSCounty Rosebud

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

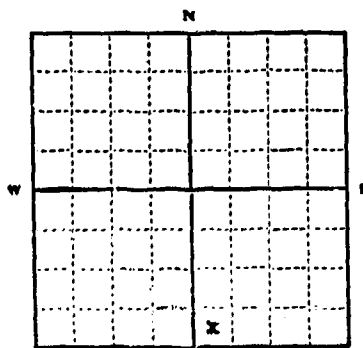
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1948Owner U.S.A. - Custer N.F. Address Ashland, MontanaContractor (if any) NAAddress of Contractor NADate Started 1948 Date Completed 1948

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring

Perry #2 Spring

SW $\frac{1}{4}$ SE Sec. 25 T. 53 R. 44E

Indicate point of appropriation
and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

0.4 gals./min. flow measurement. Used annuallyMay 1 to Dec. 1.

United States of America - Custer National Forest

Signature of Owner John T. Neal
By: Acting District RangerDate 12/16/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

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